



DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. DSI 9300	REV. B SHEET 1 OF 6
DATE 05.08.12		TITLE SIMPLEX TANK STEP	SCALE NTS
A	05.05.05	NEW ISSUE	
B	05.08.12	ADD STRUTS IF TANK REMOVED	

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D205-633 REV. A

REF. CANADIAN STC: SH96-57

REF. FAA STC: SR00592NY, SR00593NY, SR00594NY

THE PURPOSE OF THIS SERVICE INSTRUCTION IS TO ADD THE D205-633-021/-022/-023/-024/-025/-026 STEPS TO ADDRESS COMPATABILITY WITH THE SIMPLEX MODEL 304 FIRE ATTACK TANK. D205-633-021/-022 ARE IDENTICAL TO D205-633-011, EXCEPT AS SHOWN HERE. D205-633-023/-024 ARE IDENTICAL TO D205-633-013, EXCEPT AS SHOWN HERE. D205-633-025/-026 ARE IDENTICAL TO D205-633-015, EXCEPT AS SHOWN HERE.

NOTE THAT THE STRUTS REQUIRED TO INSTALL THE STEPS ON THE LOWER AFT HARDPOINT HAVE ALSO BEEN INCLUDED WITH THE KITS IN CASE THE TANK IS REMOVED FOR ANY REASON. THESE STRUTS SHOULD BE INSTALLED I.A.W. IIN-D205-633, EXCEPT REPLACE EYEBOLT WITH AN4 BOLT ON LOWER HARDPOINT. ALSO NOTE THAT IF THE THREADS PROTRUDE THROUGH THE BAR ON THE D3437-XXX STRUT ASSEMBLIES AFTER ADJUSTMENT THEY MAY BE TRIMMED OFF.

WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D205-633-021 HELI-ACCESS-STEP™	14.0 lb 6.35 kg	-50.0 in -1.27 m	-700 in lb -8.06 m kg	94.5 in 2.40 m	1323 in lb 15.24 m kg
D205-633-022 HELI-ACCESS-STEP™	13.2 lb 6.00 kg	+50.0 in +1.27 m	+660 in lb +7.62 m kg	94.5 in 2.40 m	1247 in lb 14.40 m kg
D205-633-023 HELI-ACCESS-STEP™	14.3 lb 6.50 kg	-50.0 in -1.27 m	-715 in lb -8.26 m kg	94.5 in 2.40 m	1351 in lb 15.6 m kg
D205-633-024 HELI-ACCESS-STEP™	13.5 lb 6.14 kg	+50.0 in +1.27 m	+675 in lb +7.80 m kg	94.5 in 2.40 m	1276 in lb 14.74 m kg
D205-633-025 HELI-ACCESS-STEP™	14.6 lb 6.64 kg	-50.0 in -1.27 m	-730 in-lb -8.43 m-kg	94.5 in 2.40 m	1380 in-lb 15.94 m-kg
D205-633-026 HELI-ACCESS-STEP™	13.8 lb 6.27 kg	+50.0 in +1.27 m	+690 in-lb +7.96 m-kg	94.5 in 2.40 m	1304 in-lb 15.05 m-kg

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY:
D. SHEPHERD (DE # 02)

DATE: 05.08.12
CERT. NO.: SH96-57
ISSUE NO.: #5

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CHECKED 	APPROVED 	DRAWING NO. DSI 9300	REV. B SHEET 2 OF 6
DATE 05.08.12		TITLE SIMPLEX TANK STEP	SCALE NTS

PARTS LIST

QTY -021	QTY -022	QTY -023	QTY -024	QTY -025	QTY -026	Part Number	Description
X						D205-633-021	Heli-Access-Step™ (LH), High Gear
	X					D205-633-022	Heli-Access-Step™ (RH), High Gear
		X				D205-633-023	Heli-Access-Step™ (LH), Extended High Gear (31")
			X			D205-633-024	Heli-Access-Step™ (RH), Extended High Gear (31")
				X		D205-633-025	Heli-Access-Step™ (LH), Extended High Gear (39")
					X	D205-633-026	Heli-Access-Step™ (RH), Extended High Gear (39")
4	4	4	4	4	4	D2022-101	SPACER
2	2	2	2	2	2	D2022-103	SPACER
				1	1	D2562-005	STRUT
1	1					D2562-011	STRUT
		1	1			D2562-013	STRUT
1		1		1		D2563	WELDMENT ASSEMBLY
				*1	*1	D3165-1	STRUT
1	1					D2565-101	STRUT
1	1					D2565-103	STRUT
1	1					D2565-105	STRUT
1	1					D2565-107	STRUT
1	1					D2565-109	STRUT
*1	*1					D2565-111	STRUT
		1	1			D2565-201	STRUT
		1	1			D2565-203	STRUT
		1	1			D2565-205	STRUT
		1	1			D2565-207	STRUT
		1	1			D2565-209	STRUT
		*1	*1			D2565-211	STRUT
				1	1	D2565-301	STRUT
				1	1	D2565-303	STRUT
				1	1	D2565-305	STRUT
				1	1	D2565-307	STRUT
				1	1	D2565-309	STRUT
1	1					D3437-041	AFT STRUT ASSEMBLY
		1	1			D3437-043	AFT STRUT ASSEMBLY
				1	1	D3437-045	AFT STRUT ASSEMBLY
	1		1		1	D3438-042	WELDMENT ASSEMBLY
1	1	1	1	1	1	AN4-5A	BOLT
4	4	3	3	3	3	AN4-6A	BOLT
1	1	1	1	1	1	AN4-7A	BOLT
1	1					AN4-11A	BOLT
		1	1	1	1	AN4-12A	BOLT
1	1	1	1	1	1	AN4-14A	BOLT
1	1	1	1	1	1	AN44-7A	EYEBOLT
1	1	1	1	1	1	AN5-14A	BOLT
16	16	14	14	14	14	AN960JD416	WASHER
3	3	3	3	3	3	AN960JD516	WASHER
8	8	7	7	7	7	MS21042L4	NUT (or MS21042-4)
2	2	2	2	2	2	MS21042L5	NUT (or MS21042-5)

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* ONLY INSTALLED IF TANK IS REMOVED

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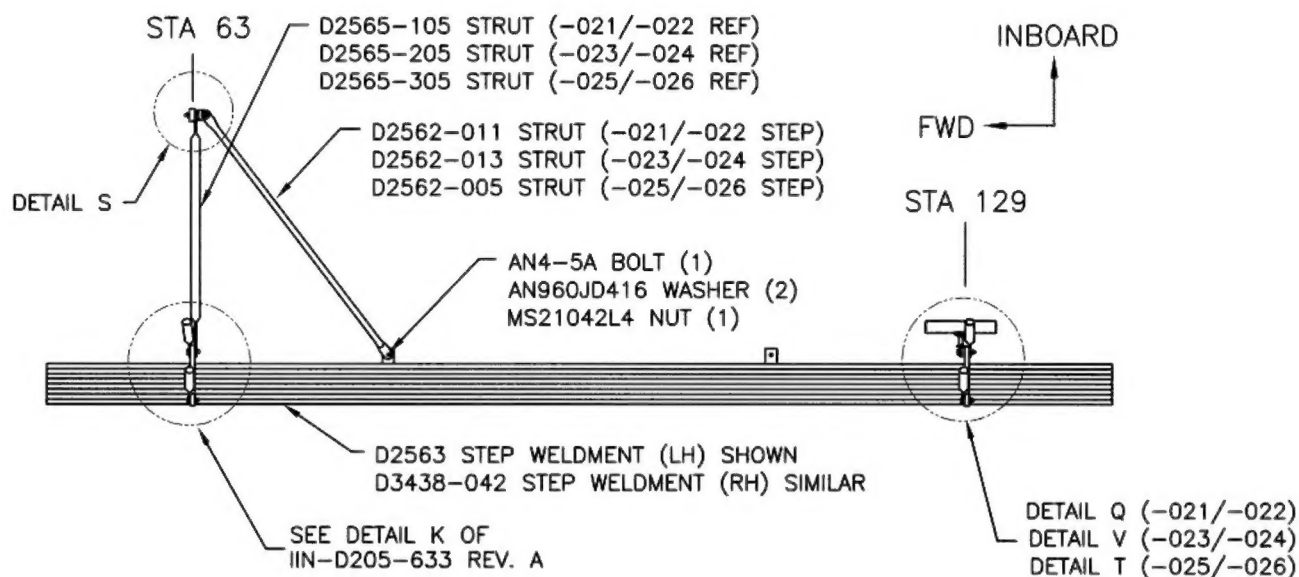
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DATE 05.08.12		TITLE SIMPLEX TANK STEP KIT	SCALE NTS

INSTALLATION OF D205-633-021/-022/-023/-024/-025/-026

INSTALL D205-633-021/-022 AS PER THE D205-633-011 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D2565-111 STRUT WITH THE D3437-041 AFT STRUT ASS'Y, REMOVE D2562-001 STRUT, INSTALL D2562-011 STRUT AS SHOWN.

INSTALL D205-633-023/-024 AS PER THE D205-633-013 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D2565-211 STRUT WITH THE D3437-043 AFT STRUT ASS'Y, REMOVE D2562-003 STRUT, INSTALL D2562-013 STRUT AS SHOWN.

INSTALL D205-633-025/-026 AS PER THE D205-633-015 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D3165-1 SUPPORT ARM WITH THE D3437-045 AFT STRUT ASS'Y AS SHOWN.



D205-633-021/-023/-025 SHOWN.

D205-633-022/-024/-026 SIMILAR

(VIEW LOOKING DOWN)

AN44-7A EYEBOLT (1)
AN960JD516 WASHER (1)
MS21042L5 NUT (1)

AN4-6A BOLT (1)
AN960JD416 WASHER (2)
MS21042L4 NUT (1)

DETAIL S

NOT TO SCALE



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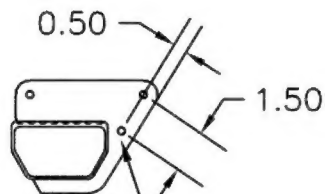
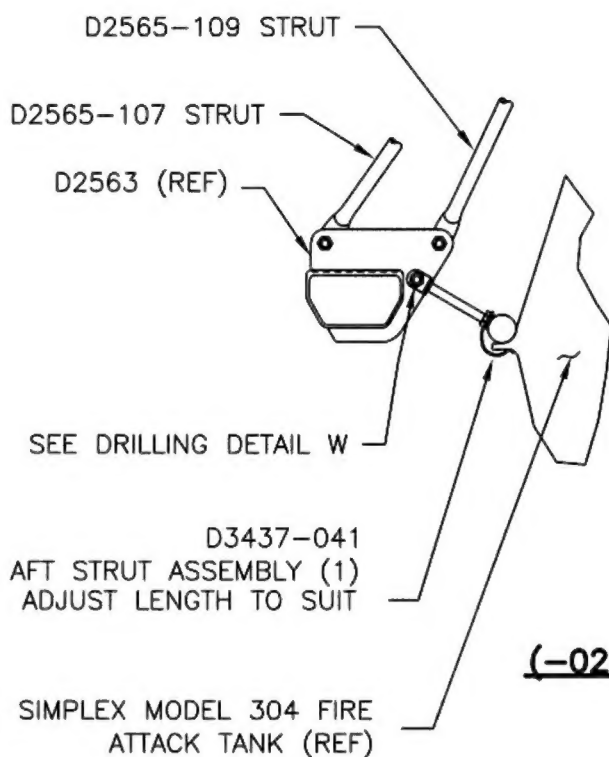
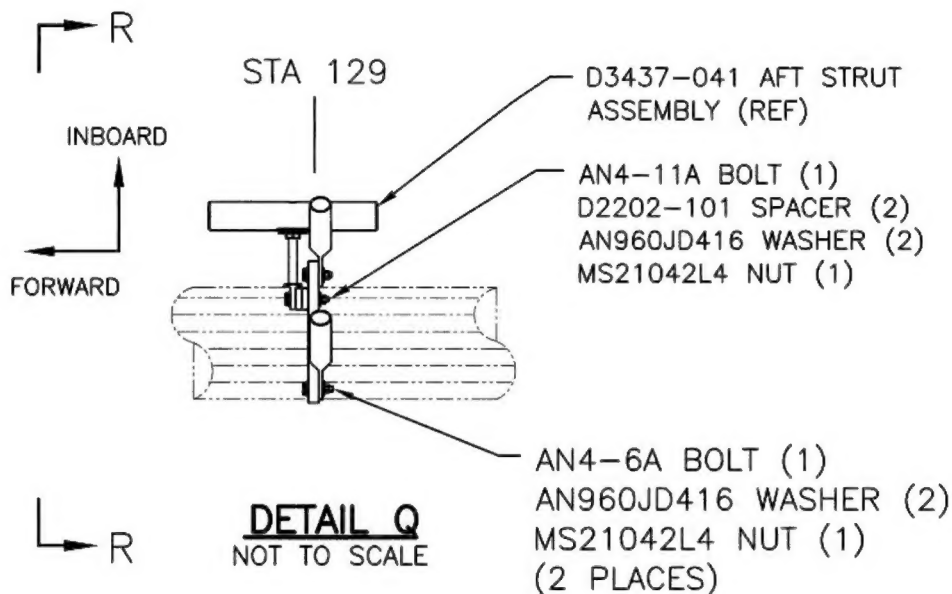
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(-021/-022 STEP)

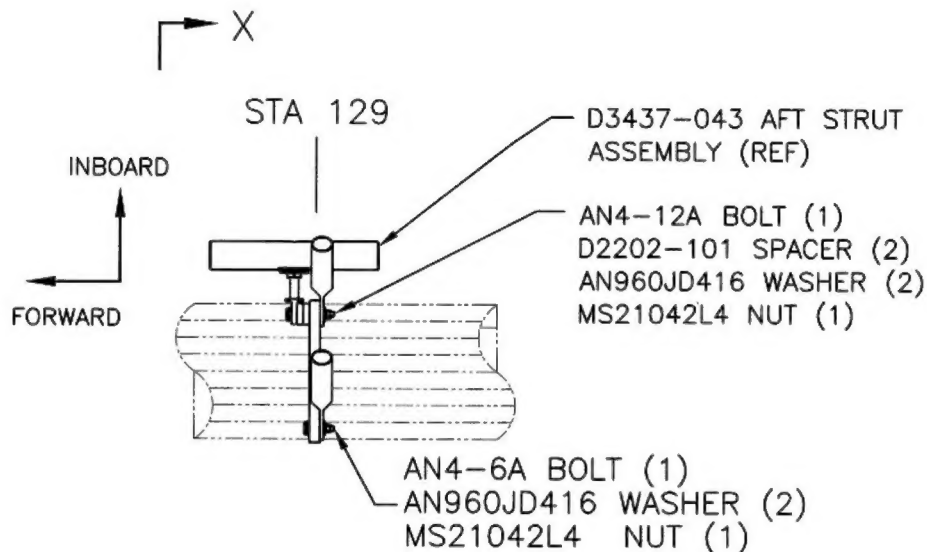
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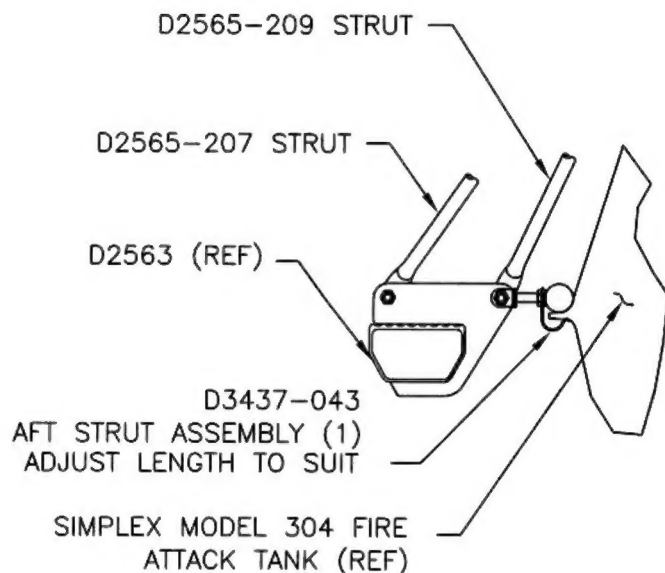
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DETAIL V
NOT TO SCALE



(-023/-024 STEP)

VIEW X-X
NOT TO SCALE

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AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

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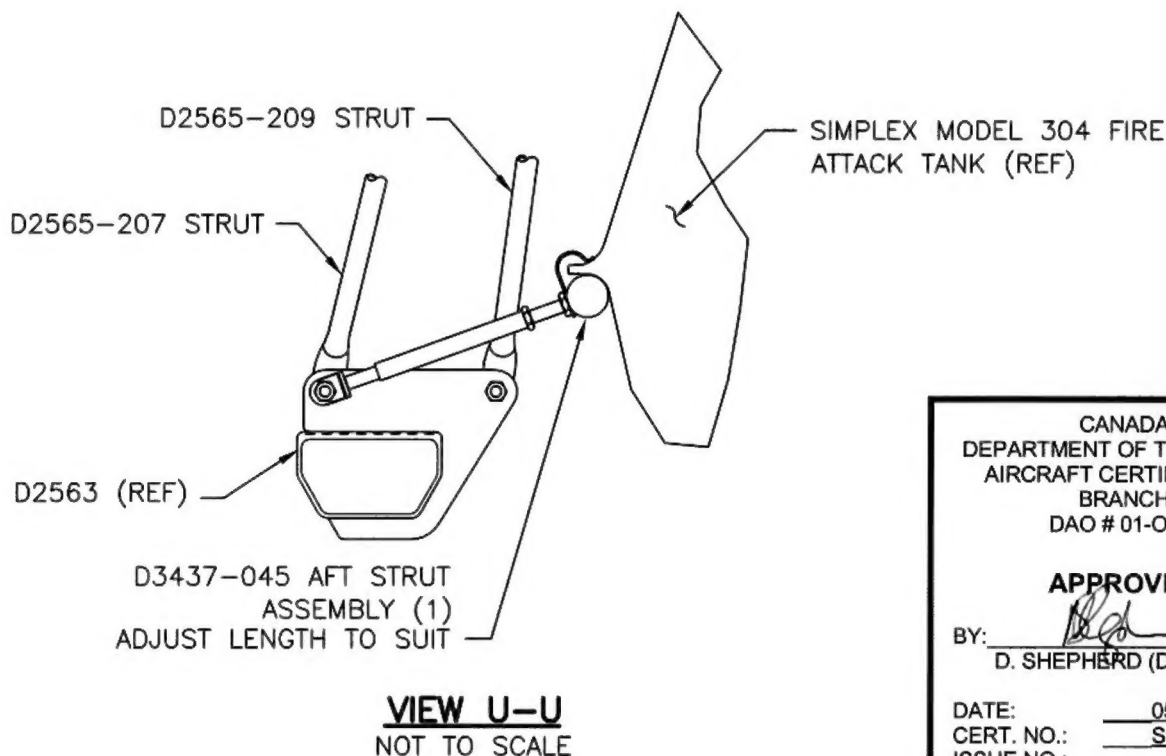
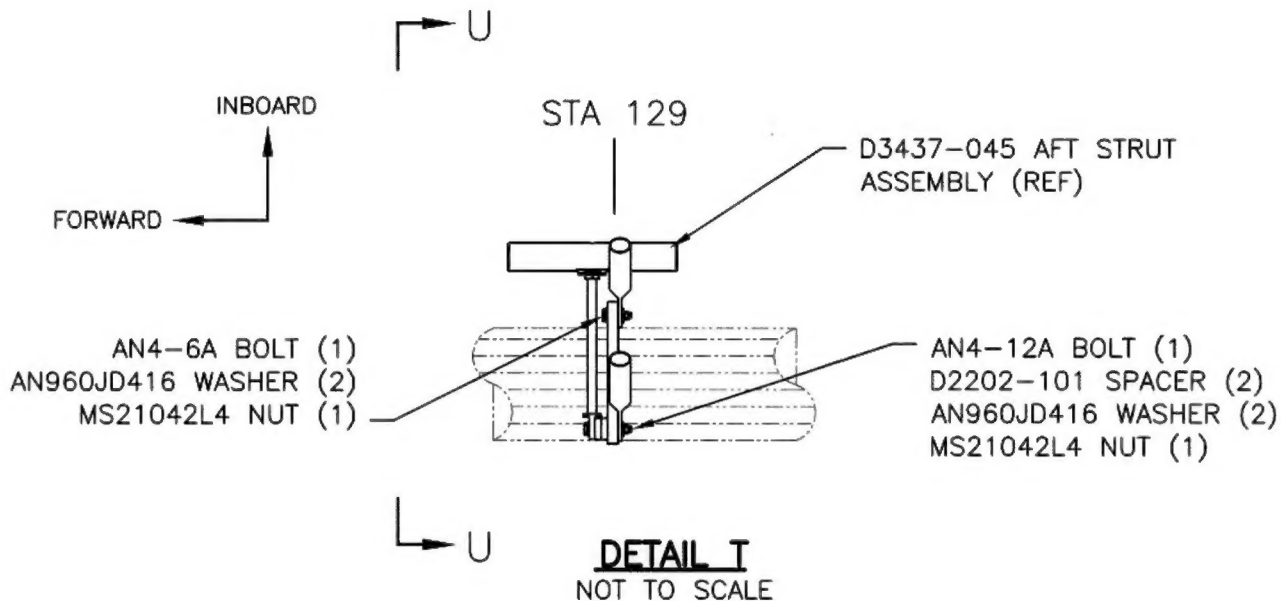
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BY: *[Signature]*
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